



# Tradesman in a Box™

## SHAPE LOFTING & HAND CUTTING



### Ideal for Workshops without CNC Machinery

#### THE FAST WAY TO PRODUCE TRANSITION PATTERNS READY FOR MANUAL CUTTING

#### HIGHLIGHTS:

- SHEET & THICK PLATE!
- INCLUDES COMMON, COMPLEX AND HEAVY CONSTRUCTION SHAPES
- INSTANT FLAT PATTERNS
- FULL MANUFACTURING AND WELD DETAILS
- COMPLETE SYSTEM
- MICROSOFT WINDOWS

Tradesman in a Box™ is a complete affordable solution for the workshop that does not have CNC machinery.

Take out the guesswork and eliminate the need for calculations!

Shapes can be completed in a fraction of the time manually lofted patterns would allow and importantly, they are fabricated "right first time".

Simply model the item in 3D (you see the shape appear as data is entered) and produce output for manual lofting.

The system is sophisticated but uses familiar shop floor

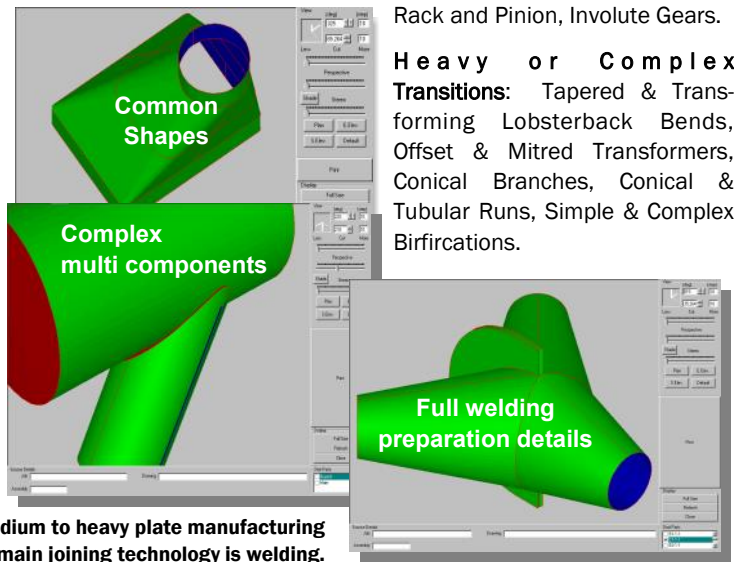
terminology making it easy enough for even apprentice tradespeople to use.

Shapes cover most thick development needs:

**Common:** Rectangle to Round, Elbow, Pipe Branch, Lobster, Multi Segment Cone, Oblique Cone, Cone Bifurcate, Plate Branches.

**Power Transmission:** Chain Sprocket, Universal Sprocket, Rack and Pinion, Involute Gears.

**Heavy or Complex Transitions:** Tapered & Transforming Lobsterback Bends, Offset & Mitred Transformers, Conical Branches, Conical & Tubular Runs, Simple & Complex Bifurcations.



Tradesman in a Box™ is for medium to heavy plate manufacturing where the main joining technology is welding.

#### Features:

Dynamic Display changes shape as data is entered

Full 3D Viewing inc stereoscopic, Plan, Elevation & Isometric

'Cutaway' feature lets you see inside the development

Calculates Bend Lines, Forming Angle, Longitudinal Seam Offsets and more

Every component of a construction can be viewed independently

Includes 2D Drawing System

Loft patterns directly from printout

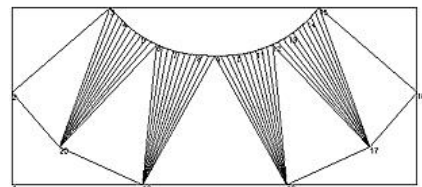
#### CO-ORDINATES FOR LOFTING OR USE WITH AN OPTICAL MACHINE

The system allows for multi stroke, variable thickness construction with internal, mean or outside data entry. Full fabrication Development includes Welds, Full/Partial Penetrations, Fillet, Butt/Groove.

Highly accurate components offer a marked improvement in weld quality & consistency resulting in better fitup.

- Green Allowances
- Forming Angle
- Back to Back "Stitch" Cutting
- Marking of bend lines
- Mass of all Parts
- Assembly List
- Longitudinal Seam Offsets

The detailed printout makes it very simple to loft and cutout by hand, or printout at a 1:1 scale and use with an Optical Machine.



Layout Index	0	24.3
1	0	48.6
2	24.3	48.6
3	48.6	48.6
4	72.9	48.6
5	97.2	48.6
6	121.5	48.6
7	145.8	48.6
8	170.1	48.6
9	194.4	48.6
10	218.7	48.6
11	243.0	48.6
12	267.3	48.6
13	291.6	48.6
14	315.9	48.6
15	340.2	48.6
16	364.5	48.6
17	388.8	48.6
18	413.1	48.6
19	437.4	48.6
20	461.7	48.6

*FastCAM has been supplying PC-based software for Burning, Shearing and Sawing/Drilling machines for over 25 years. The flagship product FastCAM® offers unique integrated postprocessors, NC verification and NC code nesting that still sets it apart from other CAM and CAD/CAM systems. The new generation of FastCAM® software is used in many countries, in many languages and in many different environments.*

*Today the product line has been expanded to include dozens of trademarked products offering a wide range of solutions for glass, timber and metal fabrication. FastCAM has OEM and Business Partners in North America, South America, China, Australia, New Zealand and Europe (Poland, UK, Czech, Hungary). We welcome all enquiries.*

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FastCAM® works with all popular flame, plasma, laser and water jet NC cutting equipment including BURNY, EDGE, LYNX, FastCNC, HYPERTHERM, FAGOR ANCA, NUM, PDF32, SIEMENS, SYSTEM32, 40, numerical control system, and CIGWELD ESAB, MESSER, KOIKE, TANAKA, FARLEY, 3000 etc . Refer to our web site for a full listing.

## Other Products by FastCAM:

The following are separate programs that can be purchased independently:

**FastCAM®** - CAD compatible CAM system with nesting and integrated posts.

**FastCUT® for Shears & Saws—** Rectangular, Linear and Cut to Length optimizer.

**FastCUT® 'Active X' nesting engine** allows businesses to incorporate optimization into their own custom applications.

**FastCAM® QE—**Quotation system with optimization for steel profiles and long products. Complete system for Steel Service Centers.

**FastCAM® MTO—**Capture steel take-off data electronically.

**FastSHAPES®** - Develop heavy plate shapes with output compatible with for NC cutting machines.

**FastFRAME® and FastPIPE™** — Tubular and Pipe Development programs for heavy steel.

**FastBEAM™** —Beam & Drill Line programming system for structural.

**FastCOPY®** —Digitize engineering parts and templates to DXF format.

**FastLINK™** —Speed DNC download from PC to cutting machine.

**FontGEN—**Convert fonts to DXF.

**Outline—**Convert images to DXF.

**FastTRACK®** -Remnant Tracking for Processed (Cut) Plate.

**FastCAM® QE™**  
**'QUOTE EVERYTHING'**  
 OPTIMIZED ESTIMATES FOR THE SUPPLY OF PROCESSED STEEL  
 BURNING • SHEARING • SAWING • DRILLING  
 FastCAM®



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